

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Atty. Docket

JOHANNES BRUIJNS

NL 000731

Serial No.

Group Art Unit

Filed: CONCURRENTLY

Ex.

Title: METHOD OF ANALYZING A DATA SET COMPRISING A VOLUMETRIC  
REPRESENTATION OF AN OBJECT TO BE EXAMINED

Commissioner for Patents  
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Prior to calculation of the filing fee and examination, please  
amend the above-identified application as follows:

IN THE CLAIMS

Please amend the claims as follows:

4. A method as claimed claim 1, also comprising the steps of:  
determining the sum of all aberration voxels and multiplying  
the sum of the aberration voxels by the volume of a single voxel so  
as determine the volume of the aberration.
5. A method as claimed in claim 1, wherein said distance data  
values are computed by means of a distance transform function.

6. A method as claimed in claim 1, wherein said threshold and/or ceiling value is set by the user.

7. A method as claimed in claim 1, wherein said threshold and/or ceiling value is computed on the basis of a histogram of distance data values.

8. A method as claimed in claim 1, also comprising the steps of: defining a tubular structure of voxels of the first type piercing through the aberration; determining the number of voxels of the tubular structure and subtracting said number from the number of aberration voxels.

10. A computer program for carrying out the method as claimed in claim 1.

#### REMARKS

The foregoing amendments to the claims were made solely to avoid filing the claims in the multiple dependent form so as to avoid the additional filing fee.

The claims were not amended in order to address issues of patentability and Applicant respectfully reserves all rights he may

have under 'the Doctrine of Equivalents. Applicant furthermore reserves his right to reintroduce subject matter deleted herein at a later time during the prosecution of this application or continuing applications.

Respectfully submitted,

By 

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## APPENDIX

4. A method as claimed claim 1, ~~2 or 3~~, also comprising the steps of:

determining the sum of all aberration voxels and multiplying the sum of the aberration voxels by the volume of a single voxel so as determine the volume of the aberration.

5. A method as claimed in ~~one or more of the preceding~~ claims claim 1, wherein said distance data values are computed by means of a distance transform function.

6. A method as claimed in ~~one or more of the preceding~~ claims claim 1, wherein said threshold and/or ceiling value is set by the user.

7. A method as claimed in ~~one or more of the preceding claims 1 through 5~~ claim 1, wherein said threshold and/or ceiling value is computed on the basis of a histogram of distance data values.

8. A method as claimed in ~~one or more of the preceding~~ claims claim 1, also comprising the steps of:

defining a tubular structure of voxels of the first type piercing through the aberration; determining the number of voxels of the tubular structure and subtracting said number from the number of aberration voxels.

10. A computer program for carrying out the method as claimed in ~~one or more of the preceding claims~~ claim 1.

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